

## REMARKS

In response to the office action mailed November 25, 2008, the objections to the specification and abstract made by the Examiner have been considered, and appropriate corrections have been made.

In order to render the claims more clear and definite, we have deleted claims 1-5 and added new claims 6-8, without adding new matter, and without necessitating a new search on the part of the Examiner.

After studying the inventions of Motegi and Rothfus cited by the Examiner, we found that some special design in our invention is not obvious in view of Motegi and Rothfus. Hence, Applicant requests the Examiner to reconsider the rejection of claims.

### **Claim Rejections – 35 USC 112**

According to 35 USC 112, the applicants have rewritten the original claim 2 as the new claim 6 and the original claim 5 as new claim 7, and added a new dependent claim 8. The original claims 1-5 are canceled.

In user case 2 on page 8 line 32, user case 3 on page 9 line 30, Examiner may more easily find material and acts that support the **means** of the claims. More details:

a keypad unit: Fig 4A, printer 57 Fig 5, page 9 line 9, page 9 line 34

first retrieve means: server 63 Fig 5, page 9 line 11-14, page 10 line 1-5

second retrieve means: server 62 Fig 5, page 9 line 16-17, page 10 line 7-10

a display unit: Fig 4A, printer 57 Fig 5, page 9 line 15, page 10 line 6

### **Claim Rejections – 35 USC 103**

**(1) Examiner:** Motegi also teaches the use of two servers through which all data and travels to and from the server, See Fig 1 Block 105 and 106 and Column 2 lines 43-48.

#### **Our Answer:**

Our design Fig 5:

##### **First server 63:**

the function of first server 63 is translating number to location information

printer 57 directly retrieves to first server 63

first server sends the location information to printer 57

##### **Second server 62:**

the function of second server 62 is storing document for printer to retrieve

printer 57 directly retrieves to second server 62 for the document

Motegi design Fig 1:

Motegi shows the function of server 105 column 2 line 57-60: “four users (User A-D) send print information, in the form of image data, text data and so on, to the host computer 113 by way of the network servers 105 and 106. ” And before the user inputting number on the keypad, the print information are stored in the host computer 113 already, column 3 line 25-27, so printer 107 or server 113 will not access server 105-106 when print documents after a user inputs a number. Further studying Motegi design, we are sure that two servers 105 106 have no functions:

1. translating job number to location information (function of our server 63)
2. storing document for printer to retrieve (function of our server 62)
3. being retrieved by printers (function of our server 62 63)

So Motegi in two servers 105 106 never teaches first retrieve means and second retrieve means of our claims.

#### **(2) Examiner:**

However Rothfus et al teaches an apparatus that is able to publish data through a communications network, Rothfus also teaches his apparatus provides output interface and output system that enables the apparatus the capacity to be able to print documents

across the internet. It would have been obvious to one of ordinary skill in the art to combine this aspect of Rothfus et al apparatus to Motegi System, because it would create a secure and straightforward method to communicate via the Internet. Rothfus et al teaches in Column 11 lines 15-21 that his systems possess an output interface and output system which directs documents to resources such as printers, See Fig 3 Block 76 77.

**Our Answer:** Let us know where is the destination printer?

Rothfus Fig 3: print Internet document from Internet server 52 to **its printer near 77**

Our Fig 5: print Internet document from Internet server 62 to **client printer 57**

Rothfus Fig 3 teaches to print a document in Internet from an Internet server 52 to a remote printer connected to output interface and output system 76 77 of server 52. We note that the printer connected to output device Block 76 77 is not at user or client side 50, but is at server side 52, which is further confirmed by server services described in the same sentence, column 11 line 18 "... and resources for performing reactions such as sending e-mail message and pager message". We notice that server 52 cannot initiate a communication to print from server 52 to client printer in client 50. That is, the Block 76 77 cannot initiate to send the document to printer in client 50. If want to print to client printer 50, the output device Block 76 77 would send data to client computer 50 to print in the client printer, which is not shown by Rothfus and is also different from our design.

As Rothfus does not have the idea of printing a document in Internet directly from an Internet server 52 to a printer in the client side 50, or using a client printer to print documents in server 52, so it is not obvious that Motegi views Rothfus to create the first retrieve means and second retrieve means of our claims.

**(3) Examiner:**

Motegi teaches a system that in which a print job number is inputted into a keypad, See column 2 line 60-64. This information is then sent to the printer server which matches it with appropriate printer and computer, See column 3 lines 15-19.

Motegi also teaches that a printer which prints the data sent through the network, See Fig 1. Combining Motegi, in View of Rothfus would ensure that the above list limitations would all be met.

**Our Answer:**

Motegi design Fig 1: printer 105 retrieve from **one server**:

number from printer 107 to server 113, column 3 line 35-37, column 4 line 9-10.

document from server 113 to printer 107, column 19-21.

Our design Fig 5: printer 57 retrieves from **two separate servers**:

Printer 57 retrieves from **first server 63**:

number from printer 57 to first server 63

location information (URL) back to printer 57 page 9 line 13

Print 57 retrieves from **second server 62**:

request from printer 57 to second server 62 page 9 line 16

document from server 62 to printer 57 page 9 line 16

The difference:

<b>Our Claim</b>	<b>Motegi in view of Rothfus</b>
Two servers 63 62	One server 113, or server 16 (Rothfus)
First server 63 for location information Second server 62 for documents	One server 113 for both job numbers and documents
Printer 57 retrieves from two servers 63 62	Printer 107 retrieves from one server 113
Location information is sent to printer 57	No location information to printer 107

In the full implementation of our design over the Internet, unlimited number of printers, via **one** first Internet server 63, print documents distributed in **unlimited number of Internet servers 62** owned by different organizations. So in our design, there is not a center server like Motegi host computer 113 or Rithfus server 16 to store documents together. The purpose of this first Internet server 63 is to use one server (i.e. first server 63) to redirect the printer to **unlimited** number of Internet servers 62 (i.e. second servers 62). That is, after a printer is configured to access **one Internet server** (i.e. first server 63), it can print documents in **any other Internet servers** owned by different organizations, see user case 1-3, page 7 line 19 – page 10 line 11. In user case 3, page 9 line 30, banks process account statements in their own different servers 62, with the help of just one server 63, a printer can print account statements for people that have accounts in different banks. Motegi in view of Rothfus never teaches a server (either Motegi server 113 or Rothfus server 16) that has the purpose or function as our first Internet server 63.

(4) The advantage of our design is that people can just use their printers to print Internet documents distributed in unlimited Internet servers owned by different organizations, without the need of set-up additional servers in their local area networks, without the need of input of location information of Internet servers. Examiner may notice that this advantage is not available and not shown in the design of Moteqi in view of Rothfus.

Hence we request the Examiner to consider these obvious differences as mentioned above, and allow claims 6-8.

Respectfully submitted,



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Feng Lin  
Applicant

January 2, 2009  
LIN, FENG  
Blk 110, #12-120  
Woodlands Street 13  
Republic of Singapore, 730110